

426-16

PAGES

Mash Heaters
1788

RECORDED

3



A.D. 1788 N° 1641.

Brewing.

KER'S SPECIFICATION.

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, WILLIAM KERR, of Kerfield, in the County of Tweeddale, in that part of Great Britain called Scotland, send greeting.

WHEREAS I, the said William Ker, did by my petition humbly represent
5 unto His Majesty that I had with much labour and study discovered and
invented "A NEW AND GREAT IMPROVEMENT IN THE BREWING OF ALE, BEER,
PORTER, AND OTHER MALT LIQUORS, WHEREBY A VERY GREAT SAVING IS MADE IN THE
CONSUMPTION OF HOPS, AND LIQUOR IS PRODUCED OF SUPERIOR FLAVOR AND QUALITY,
10 LESS SUBJECT TO BECOME ACID OR PUTRID, AND MORE FIT FOR EXPORTATION TO WARM
CLIMATES THAN ANY MALT LIQUOR HITHERTO MADE;" that I was the first and true
Inventor thereof, and the same hath not been practised by any other person or
persons, to the best of my knowledge and belief; I therefore most humbly
prayed His Majesty that he would be graciously pleased to grant to me, my
executors, administrators, and assigns, His Majesty's Royal Letters Patent
15 under the Great Seal of Great Britain for the sole benefit and advantage of my
said Invention, within England, and His Dominion of Wales, and Town of
Berwick-upon-Tweed, for the term of fourteen years, pursuant to the Statute
in that case made and provided; and whereas by the said Letters Patent under
the Great Seal of Great Britain, bearing date the Fourth day of March, in the
20 twenty-eighth year of the reign of His said Majesty, after reciting the petition,
and also reciting that His Majesty, being willing to give encouragement to all
acts and inventions which might be for the public good, was graciously pleased
to condescend to my request; His Majesty, of His especial grace, certain know-

Ker's Improvements in Brewing Ale, Beer, Porter, and other Malt Liquors.

ledge, and meer motion, did, for Himself, His heirs and successors, give and grant unto me, the said William Kerr, my executors, administrators, and assigns, that I, the said William Ker, my executors, adñors, and assigns, and every of them, by myself and themselves, or by and their deputy or deputies, servants or agents, or such others as I, the said William Ker, my 5 executors, administrators, and assigns, should at any time agree with, and no others, from time to time and at all times thereafter during the term of years therein expressed, should and lawfully might make, use, exercise, and vend my said Invention within that part of His Majesty's Kingdom of called England, His Dominion of Wales, and Town of Berwick-upon-Tweed, and 10 Town of Berwick-upon-Tweed, in such manner as to me, the said William Ker, my executors, administrators, and assigns, or any of them, should at my or their discretion seem meet, and that I, the said William Ker, my executors, administrators, and assigns, should and lawfully might have and enjoy the whole benefit, commodity, and advantage from time to time coming, growing, 15 accruing, and arising by reason of my said Invention, and during the term of years therein mentioned, to have, hold, exercise, and enjoy the said licence, powers, privileges, and advantages therein granted or mentioned to be granted unto me, the said William Ker, my executors, administrators, and assigns, for and during and to the full end and term of fourteen years from the date of the 20 said Letters Patent next and immediately ensuing, and fully to be complete and ended, according to the Statute in such case made and provided; in which said Letters Patent is contained a proviso, that if I, the said William Ker, should not particularly describe and ascertain the nature of my said Invention, and in what manner the same is to be performed, by an instrument in writing 25 under my hand and seal, and cause the same to be enrolled in His Majesty's High Court of Chancery within one calendar month next and immediately after the date of His Majesty's Letters Patent, that then His Majesty's said Letters Patent, and all liberties and advantages whatsoever thereby granted, should utterly cease, determine, and become void, anything therein-before 30 contained to the contrary thereof in any ways notwithstanding.

NOW KNOW YE, that I, the said William Ker, in compliance with the said proviso, do hereby declare the nature and design of my said Invention, and the manner in which the same is to be performed, in manner following, that is to say :—

The steam which arises from the boiling copper, or any other vessel employed for the purpose, and which steam is strongly impregnated with the essential oil with which the flavour of hops consists, instead of being allowed to escape and evaporate, as is done in the present mode of brewing, is preserved and con-

Ker's Improvements in Brewing Ale, Beer, Porter, and other Malt Liquors.

condensed; the oil and water together are returned back into the worts when boiled, or the oil after being separated from the water along with which it had been exhaled, is returned back into the worts after they are boiled, and the watery part which after the oil is separated still continues impregnated
 5 with the aromatic taste and bitter of the hop is returned into the next copper or boiling vessel, and so on from one copper or vessel into another, by which process a considerable part of the hop and flavour which is lost in the ordinary mode of brewing is preserved; the flavour of the liquor is improved by the preservation of the finer parts of the aromatic oil, and the ale and beer is
 10 thereby better secured from any tendency to acidity or putrefaction, and therefore must be better for home consumption and exportation. However, neither the principle nor the execution of this Invention depends on the particular way or means by which the steam is condensed, and the essential oil is preserved, which may be effected either in a still or in any copper or boiler of any
 15 kind having a winding pipe, similar or the same as a worm to a still, or a straight pipe laid in cold water, or carried through any cooling body or medium, and, in short, any of the various ways in which steam evaporating from a boiling vessel may be condensed.

In witness whereof, I, the said William Ker, have hereunto set my hand
 20 and seal, the Second day of April, in the twenty-eighth year of the reign of our Sovereign Lord George the Third, by the grace of God, of Great Britain, France, and Ireland King, Defender of the Faith, and so forth, and in the year of our Lord One thousand seven hundred and eighty-eight.

25

WILL. (L.S.) KER.

AND BE IT REMEMBERED, that on the Third day of April, in the year above mentioned, the said Robert Gardiner came into the Court of our Sovereign Lord the King in Chancery, and acknowledged the Specification aforesaid, and every matter and thing therein contained and specified, and that
 30 the same was duly stampt according to the tenor of the Statute in that case made and provided.

Inrolled this Third day of April, in the year last above mentioned.

 LONDON:

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
 Printers to the Queen's most Excellent Majesty. 1856.